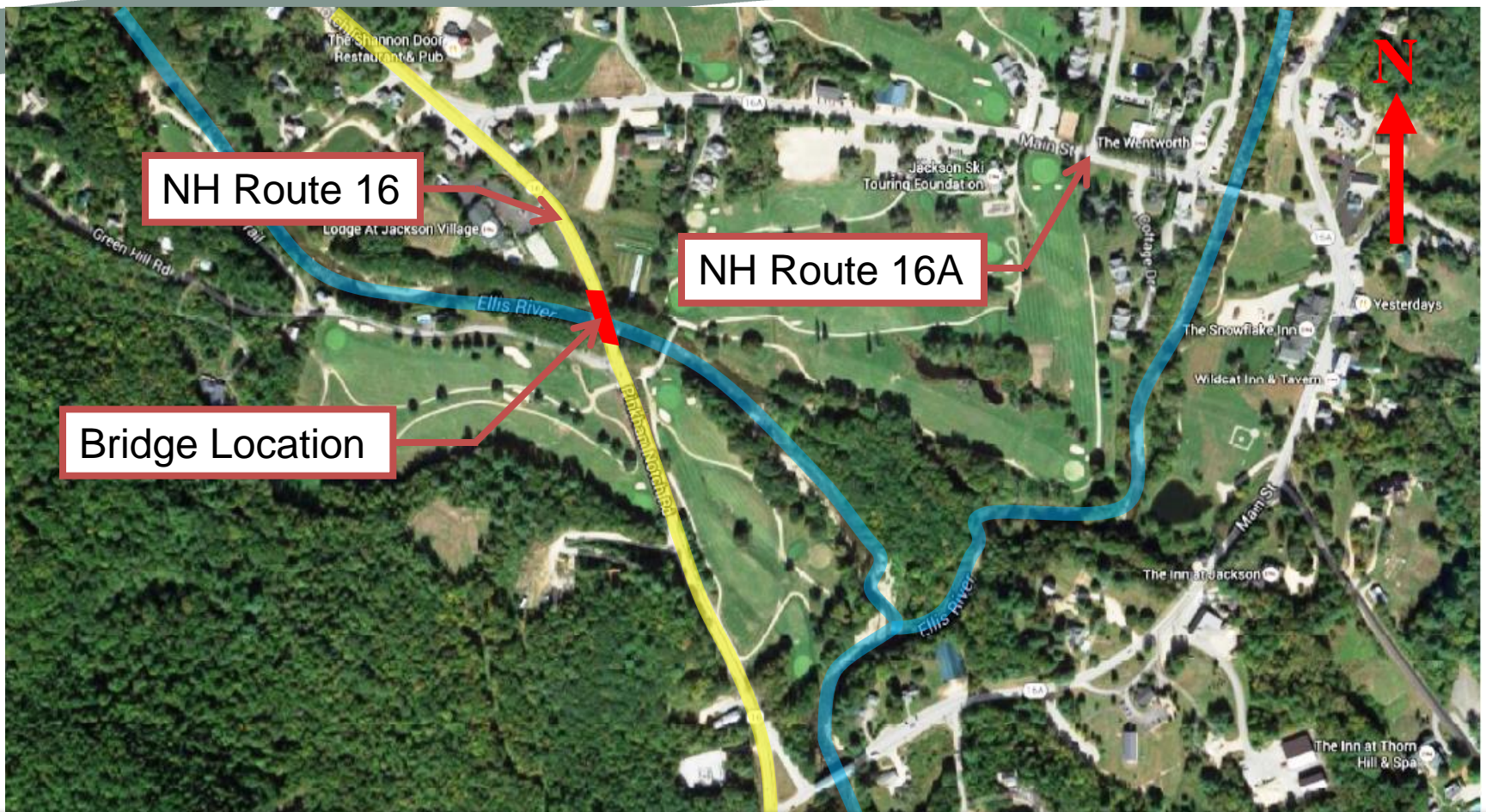




Jackson – Bridge 144/056 – NH Route 16 over Ellis River  
Public Officials Meeting  
August 13, 2015





Jackson Public Officials Meeting  
August 13, 2015

Project Location





# Jackson Public Officials Meeting

August 13, 2015

## Looking North





## Jackson Public Officials Meeting

August 13, 2015

# Looking South





Jackson Public Officials Meeting  
August 13, 2015

Looking East





## Jackson Public Officials Meeting

August 13, 2015

# Looking North





## Jackson Public Officials Meeting

August 13, 2015

# Looking South





Jackson Public Officials Meeting

August 13, 2015

# Downstream Elevation





Jackson Public Officials Meeting  
August 13, 2015

Upstream Elevation





Jackson Public Officials Meeting

August 13, 2015

South Abutment





Jackson Public Officials Meeting

August 13, 2015

North Abutment





## Jackson Public Officials Meeting

August 13, 2015

Pier

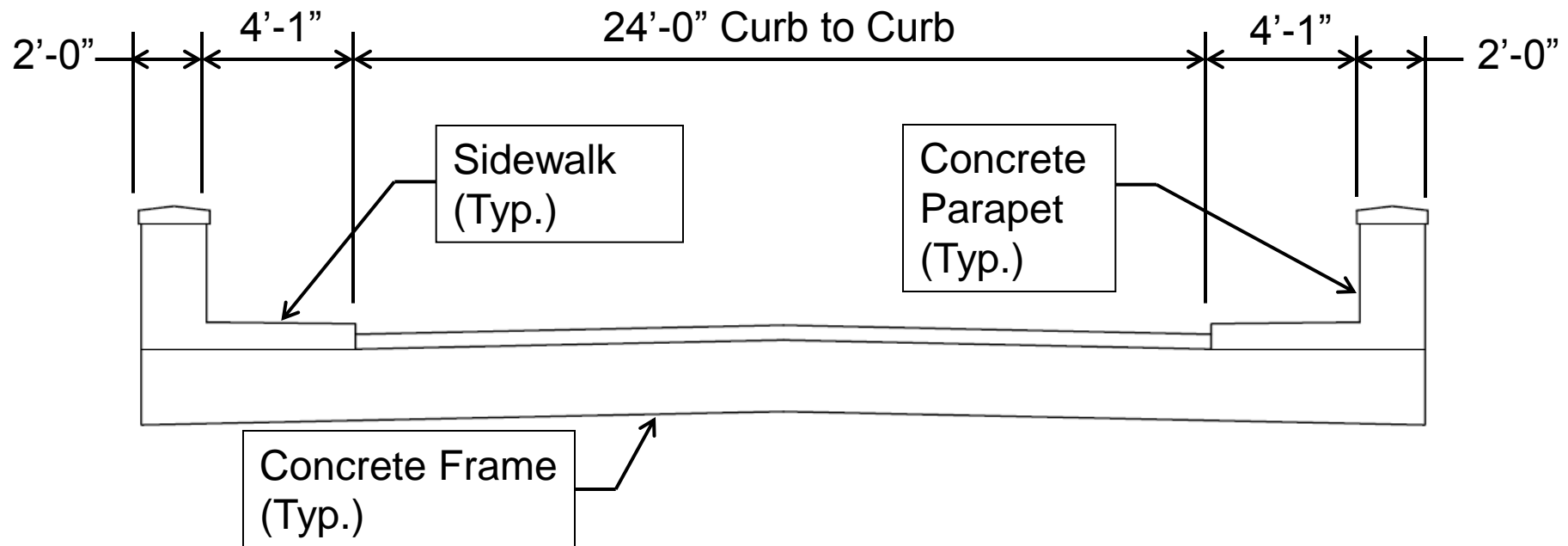


# Jackson Public Officials Meeting

## About the Bridge

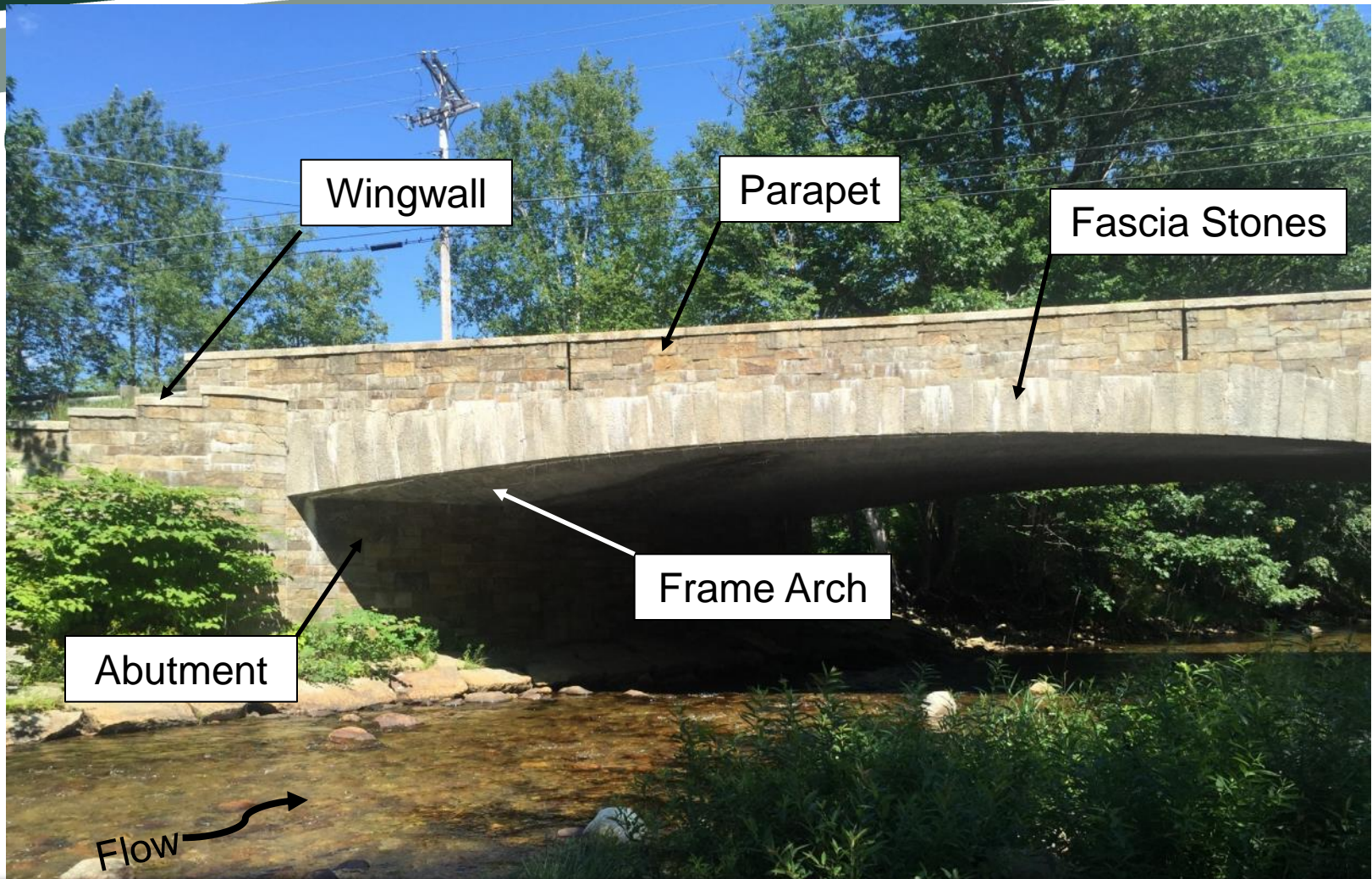
- **Two-Span, 140 foot Concrete Frame**
- **Built in 1938**
- **24 foot Roadway Width**
- **Two 4'-1" Sidewalks**
- **Stone Facing on Exterior Surfaces and Rail**
- **Bridge is on State's Red List (since 2011)**
- **Bridge Priority #59 (2015)**





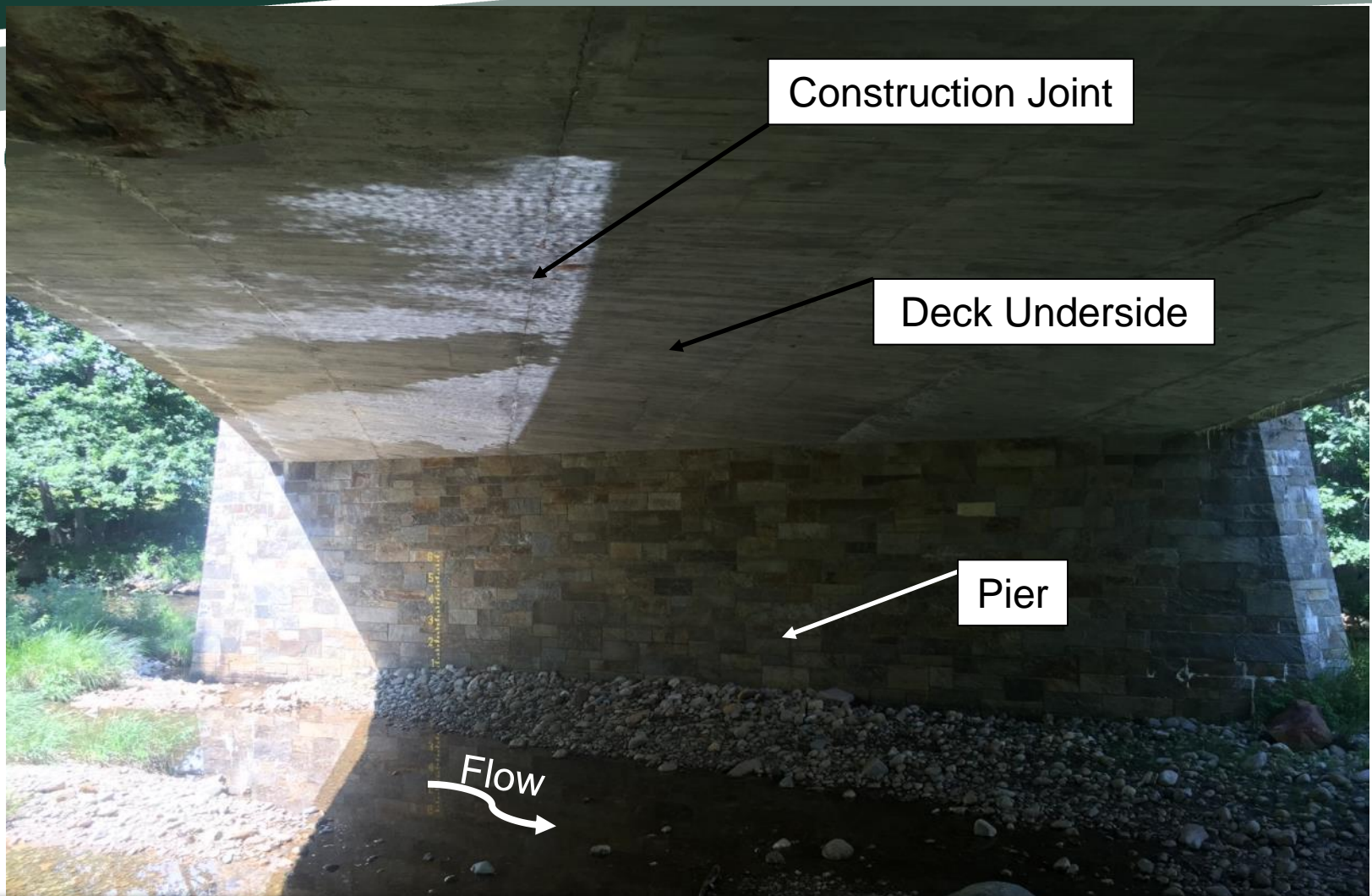
## Bridge Components





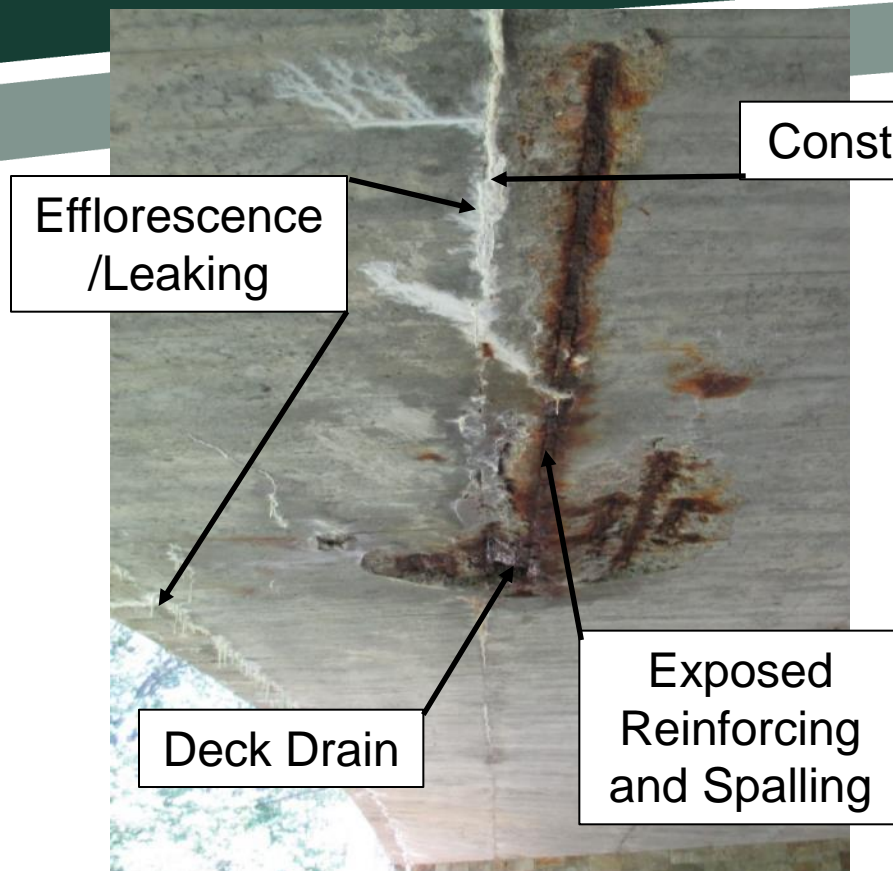
# Bridge Components





# Bridge Components





Construction Joint

Deck Drain

Efflorescence  
/Leaking

Deck Drain

Exposed  
Reinforcing  
and Spalling

Southeast Deck Drain

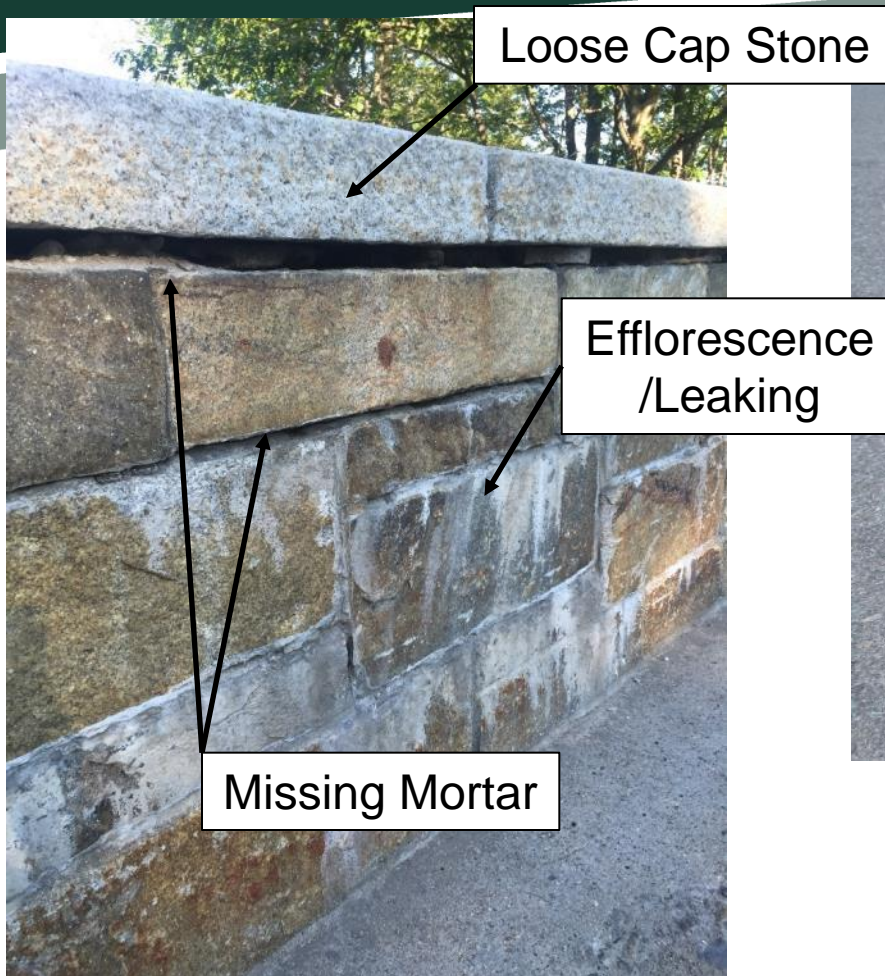


Southwest Deck Drain

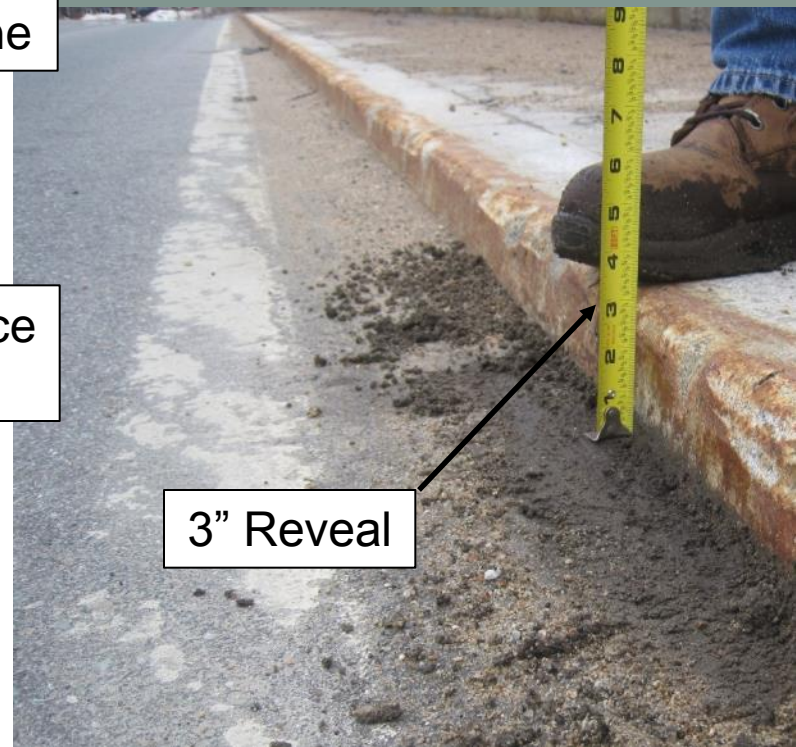
North Span Deck Joints  
Deterioration Less Severe

# Inspection Photos





East Parapet



Curb Reveal

Original Curb Reveal was 8.5",  
Bridge carries 5.5" More Pavement

# Inspection Photos





Spalling Concrete  
Behind Curb

Spalling  
Concrete

West Sidewalk



Efflorescence  
/Leaking

East Sidewalk

# Inspection Photos



# Jackson Public Officials Meeting

## Considerations

- **Detours**
  - 75 Mile detour around Mount Washington is not an option
  - Route 16A detour through Jackson Village is not an option due to 3 Ton weight restriction and 9'-2" vertical clearance of Covered Bridge



Google earth



# Jackson Public Officials Meeting

## Considerations

- **Traffic Control Alternatives**
  - **Alternating One Lane Traffic**
    - *2 Phase Construction*
    - *Alternating Traffic Signal*
  - **Two-Way Traffic Maintained**
    - *Temporary Bridge or Offline Bridge*



# Jackson Public Officials Meeting

## Considerations

- **Intersection Site Lines**
  - Green Hill Road





# Jackson Public Officials Meeting

## Town of Jackson Input

- **Safety Concerns with Existing Situation**
- **Pedestrian or Bike Usage**
- **Flooding**
- **Historic**
- **Abutters – Golf Course and others**
- **Other Concerns or Comments**





Concerns, Comments & Questions?